DETAILED ACTION

1.   This Office Action is responsive to the Amendment filed on 1/10/08. Accordingly,

claims 1, 4-9 and 12-28 are currently pending; and claims 2, 3, 10 and 11 are canceled.

REASONS FOR ALLOWANCE

2.   Claims 1, 4-9 and 12-28 are allowed.

3.   References 6188717, 6128276, 7095709, 7203261 and 20050013238 are additionally

cited because they are pertinent to the claimed invention.

4.   The following is an examiner's statement of reasons for allowance:

-Regarding independent claim 1, none of prior art of record teaches or suggests a method

of transmitting data over a wireless channel comprising: convolutionally encoding data;

repetition encoding the convolutionally encoded data, wherein repetition encoding is performed

in the frequency domain prior to processing by an Inverse Fast Fourier Transform (IFFT);

masking the repetition encoded data using a long symbol associated with IEEE 802.11 IEEE

802.11 standard a or IEEE 802.11 standard g, and processing the masked data using the IFFT to

transform information data from the frequency domain to the time domain.

-Regarding independent claim 8, none of prior art of record teaches or suggests a method

of wirelessly receiving data comprising: receiving masked, convolutionally encoded and

repetition encoded data; unmasking the received masked, convolutionally encoded, and

repetition encoded data using a long symbol associated with IEEE 802.11 IEEE 802.11 standard

a or IEEE 802.11 standard g; and processing the unmasked data using a Fast Fourier Transform

(FFT) to transform information data from the time domain to the frequency domain for obtaining

the repetition encoded data, combining the repetition encoded data to produce combined data,

wherein the combining is performed in the time domain after processing by the FFT; and

decoding the combined data.

-Regarding independent claim 21, none of prior art of record teaches or suggests a system

for encoding data comprising: a convolutional encoder configured to convolutionally encode

data to be transmitted over a wireless channel; a repetition encoder configured to repetition

encode the convolutionally encoded data, wherein repetition encoding is performed in the

frequency domain prior to processing by an Inverse Fast Fourier Transform (IFFT); and a masker

configured to mask the repetition encoded data using a long symbol associated with IEEE 802.11

IEEE 802.11 standard a or IEEE 802.11 standard g; the IFFT configured to process the masked

data, wherein frequency domain information is transformed into time domain information.

-Regarding independent claim 24, none of prior art of record teaches or suggests a system

for wirelessly receiving data comprising: a receiver configured to receive masked,

convolutionally encoded and repetition encoded data; an unmasker configured to unmask the

received masked, convolutionally encoded, and repetition encoded data using a long symbol

associated with IEEE 802.11 IEEE 802.11 standard a or IEEE 802.11 standard g; a Fast Fourier

Transform (FFT) configured to process the unmasked data, wherein time domain information is

transformed into frequency domain information, a data combiner configured to combine the

repetition encoded data to produce combined data, wherein combining is performed in the time

domain after processing by the FFT; and a decoder configured to decode the combined data.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong Phu whose telephone number is 571-272-3009. The examiner can normally be reached on M-F (8:00 AM - 4:30 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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